

Tab
<a href="#">Cover Page</a>
<a href="#">Personnel</a>
<a href="#">Publications</a>
<a href="#">Presentations</a>
<a href="#">Impacts</a>
<a href="#">Intellectual Property</a>
<a href="#">Transitions</a>

Please fill out the requested information on all tabs (click on each bottom colored tab or sheet) labeled Cover Page, Personnel, Publications, Presentations, Impacts, Intellectual Property, and Transitions. For annual reports, please only describe DTRA funded work for the reporting period (July 1, 2014 - June 30, 2015).

Description
Providing information about the project participants and collaborating organizations allows an assessment of performance in promoting partnerships and collaborations.
The products from an effort demonstrate the excellence of the research and efficacy with which the results are being communicated to colleagues, potential users, and the public. Publications are the characteristic product of research. If there is nothing to report during this reporting period, the awardee shall state "Nothing to Report".
The products from an effort demonstrate the excellence of the research and efficacy with which the results are being communicated to colleagues, potential users, and the public. Many projects (thought not all) may develop products other than publications. In all cases, if there is nothing to report during this reporting period, the awardee shall state "Nothing to Report".
Information on the impact of the research demonstrates how the investment increases the scientific body of knowledge, enlarges the pool of people trained to develop that knowledge and techniques or put it to use, and improves the physical, institutional, and information resources that enable those people to get their training and perform their functions. In all cases, if there is nothing significant to report during this reporting period, the awardee shall state "Nothing to Report".
Information on any intellectual property demonstrates the value of protectable innovative ideas resulting from sponsored research and includes patents, inventions, and licenses. Submission of this information is not a substitute for other invention reporting requirements under the awards terms and conditions. In all cases, if there is nothing significant to report during this reporting period, the awardee shall state "Nothing to Report".
Refers to cases where knowledge resulting from your DTRA sponsored effort will be further developed for, or will be used in, a technology application. Transition sponsors can be entities in DoD, other federal agencies, or industry.

**SHADED FIELDS ARE REQUIRED**

<b>Report Submitted to</b>	<b>Defense Threat Reduction Agency</b>
<b>Grant/Award #</b>	IACRO (13-5897I)
<b>Organization/Institution</b>	Sandia National Laboratories
<b>Project Title</b>	Basic Research of Intrinsic, Tamper Indication Markings and Patterns Defined by Pulsed Laser Irradiation
<b>Name of Submitting Official</b>	David P. Adams (PI); Deidre Hirschfeld (Line Manager)
<b>Title of Submitting Official</b>	PI; Line Manager
<b>Email Address</b>	dpadams@sandia.gov; dhirsch@sandia.gov
<b>Phone Number</b>	505-844-8317; 505-284-5537
<b>Submission Date</b>	

<b>Reporting Period End Date</b>	<b>June 30th, 2015</b>
<b>Reporting Period</b>	<b>Annual</b>

	<b>Foreign Spending Country</b>	<b>Foreign Spending (\$)</b>
<b>Country 1</b>	none	
<b>Country 2</b>		
<b>Country 3</b>		

**Proceed to Personnel**

**Enter the principle investigator (PI) and all other personnel that have worked on this project, regardless of the source of compensation.**

## Instructions

Select the appropriate personnel type from the drop down list.

Enter  
Suffix  
(e.g. Jr.,  
Sr., III)

[illegible]

## Proceed to Publications

**at least one person month (~160 hours) on this DTRA project during the reporting**

Enter the number of months worked rounded to the nearest month.

**Enter the FULL name of the university, organization, or institution.**

**Enter the Hirsch index for PI and Co-PI(s). Single whole number only.**

Select whether a student has graduated or not.

[illegible]

g period,

**Enter a graduation or anticipated graduation date for student in Month-Year format.**

[illegible]

**DO NOT include publications that have not yet been submitted.**

Select the appropriate publication type from the drop down list.  
Select "nothing to report" if there were no publications.

Select the Journal from the drop down list or enter the FULL name of the journal (book).

Enter the  
first page  
number of  
the article  
or chapter.

Select the publication identifier type (i.e. DOI, ISBM, ISSN).

Select whether or not an acknowledgment of DTRA support was provided to the publisher.

Select whether or not a journal article or conference paper has gone through the peer review process.

[illegible]

IACRO (13-5897I)
IACRO (13-5897I)
IACRO (13-5897I)
IACRO (13-5897I)
IACRO (13-5897I)
IACRO (13-5897I)

**Proceed to Presentations**



[illegible]


## Instructions

Select whether or not an acknowledgement of DTRA support was included in the presentation.

## Proceed to Impacts

**Instructions** Select the impact (honor) type from the drop down list. Select "Nothing to Report" if there were no impacts.

Select the personnel type for the individual who received the award or honor.

Enter the FULL name of the individual who received the award.

Enter the date the award or honor was received in month/day/year format.

## Proceed to Intellectual Property

## Proceed to Intellectual Property

Enter all patents, invention disclosures, and licenses resulting from this DTRA award that were awarded or applied for during the reporting period. Reporting here does NOT replace the reporting requirements for patents and invention disclosures in the terms and conditions of the award.

Instructions

Select the intellectual property type from the drop down list. (i.e. patent, license, or invention)  
Select "Nothing to Report" if there was no intellectual property.

Enter the FULL title of the intellectual property.

Enter the relevant number for the patent, application, etc.

Enter the country or region in which the patent, invention, or license resides.

Enter the application date in month/day/year format.

Enter the issue date in month/day/year format.

Enter the name(s) of the inventor(s).

Select the status of the patent or application from the drop down list.

Award #	Intellectual Type	Property	Title	Number	Country	Application Date	Date Issued	Abstract or Description	Inventors	Status
Example	Invention		Accelerator Device to Detect WMDs	123456	USA		8/3/2014	Invention report submitted to State University for an accelerator to detect heavily shielded WMDs	John Smith and Jane Anybody	Submitted
IACRO (13-5897I)	Nothing to Report									
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										
IACRO (13-5897I)										

Proceed to Transitions

**Enter transitions of the research or technology from this DTRA project.**

## Instructions

**Enter a text description of the transitioned research or technology. Enter "nothing to report" if there were no transitions.**

**Enter the year  
that the transition  
started.**

**Enter the organization, company, or government agency to which this work has (is) transitioning.**

[illegible]